

9th Class 2021

Chemistry	Group-I	Paper-I
Time: 15 Minutes	(Objective Type)	Max. Marks: 12

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

- 1-1- For the mass number, we use symbol:**
(a) Z (b) P
(c) n (d) A ✓
- 2- He is considered the father of nuclear science:**
(a) Rutherford ✓ (b) Bohr
(c) Newton (d) Dalton
- 3- Elements of group 13 to 18 have their valence electrons in sub-shell:**
(a) s (b) p ✓
(c) d (d) f
- 4- Along the period, which one of the following decreases from right to left?**
(a) Atomic radius ✓ (b) Ionization energy
(c) Electron affinity (d) Electronegativity
- 5- The chemical bond by mutual sharing of their valence shell electrons is called:**
(a) Ionic (b) Covalent ✓
(c) Metallic (d) Coordinate
- 6- The electrons that pair up to form a chemical bond are called:**
(a) Cations (b) Anions
(c) Bond pair ✓ (d) Lone pair
- 7- The scale of temperature in Kelvin scale starts from (°C):**
(a) 100° (b) -100°
(c) 273° (d) -273° ✓

- 8- The proportion of a solute in a solution is called:
(a) Percentage (b) Concentration ✓
(c) Molarity (d) Solubility
- 9- The number of grams of solute dissolved in 100 cm^3 of the solution is called %:
(a) v/m (b) v/v
(c) m/v ✓ (d) m/m
- 10- The loss of electrons by an atom or an ion during a chemical reaction is termed as:
(a) Oxidation ✓ (b) Reduction
(c) Electrolysis (d) Electricity
- 11- The apparent charge assigned to an atom of an element in a molecule or in an ion is called:
(a) Electronegativity (b) Oxidation number ✓
(c) Ionization potential (d) Bond
- 12- This metal is used to make jewelry items because of its unique characteristics:
(a) Zinc (b) Sodium
(c) Platinum ✓ (d) Lead

